

1 / 19

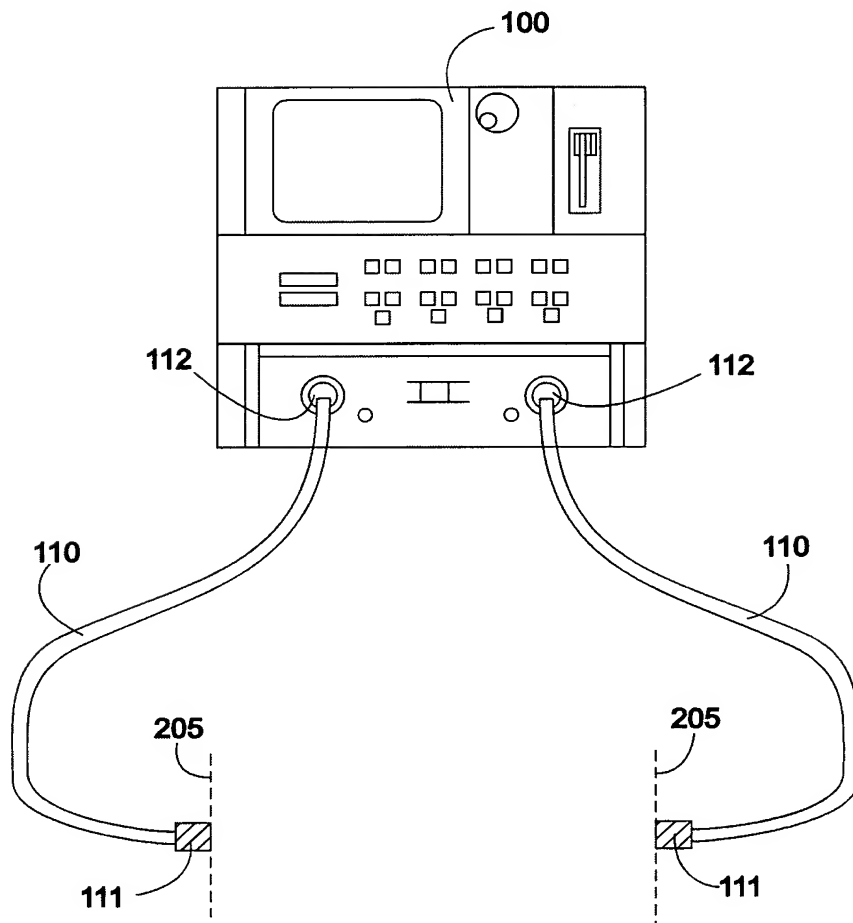


FIG. 1

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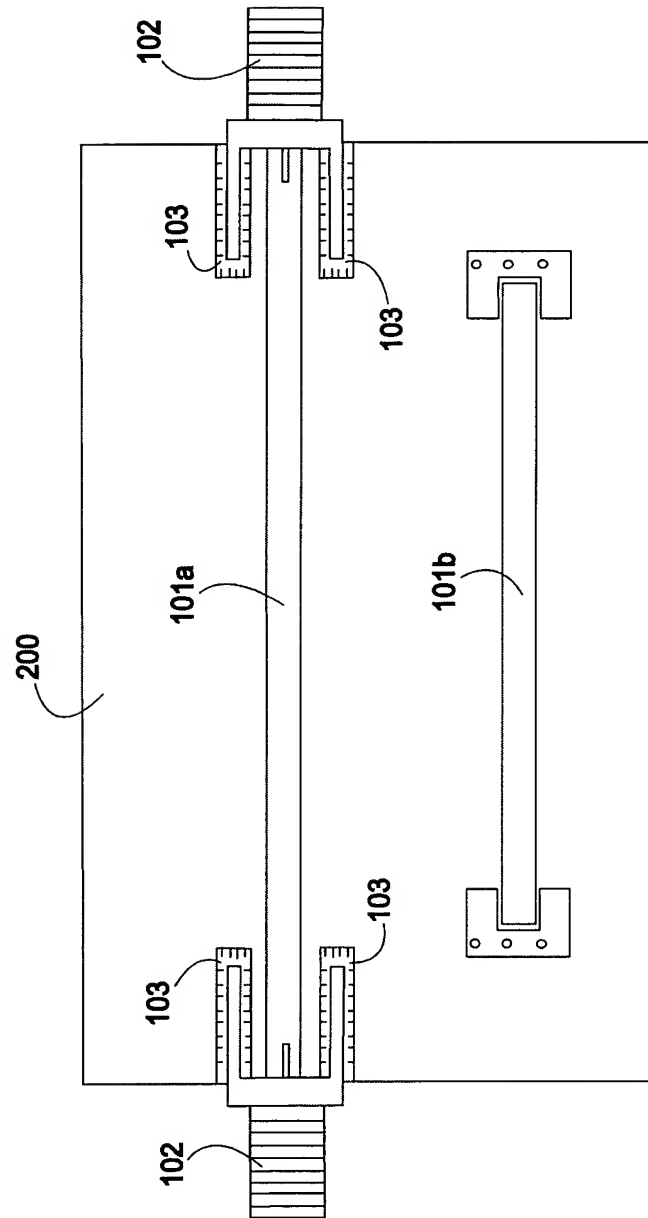


FIG. 2

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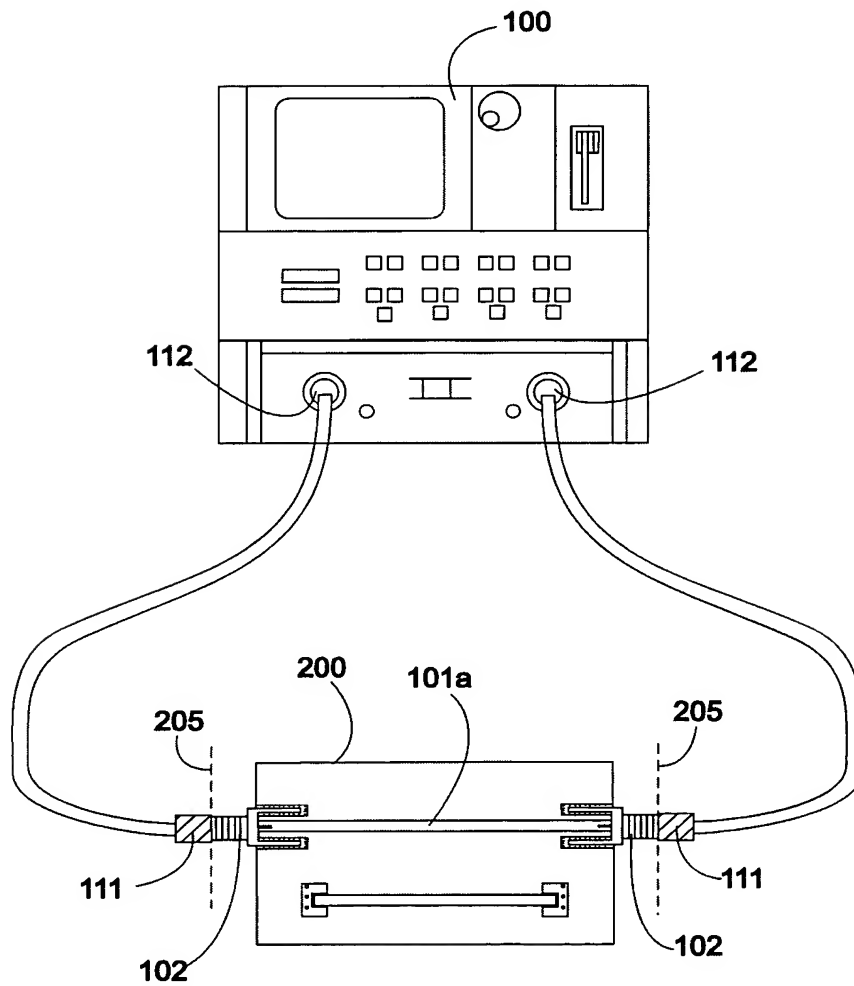


FIG. 3

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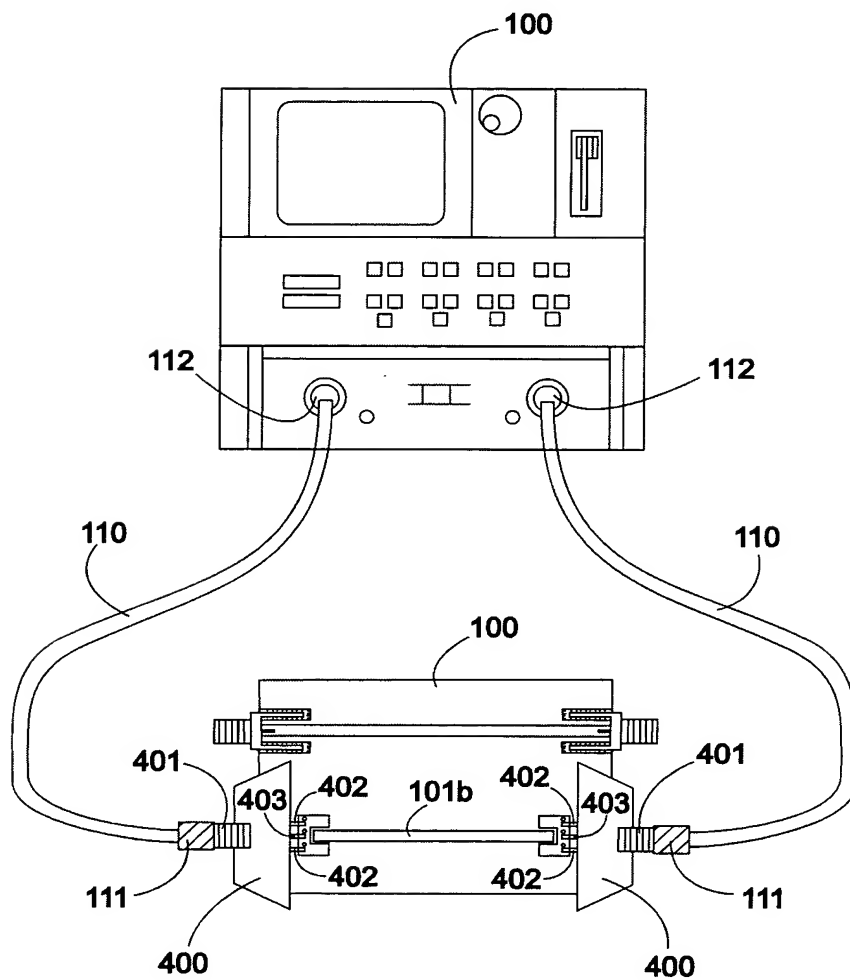


FIG. 4

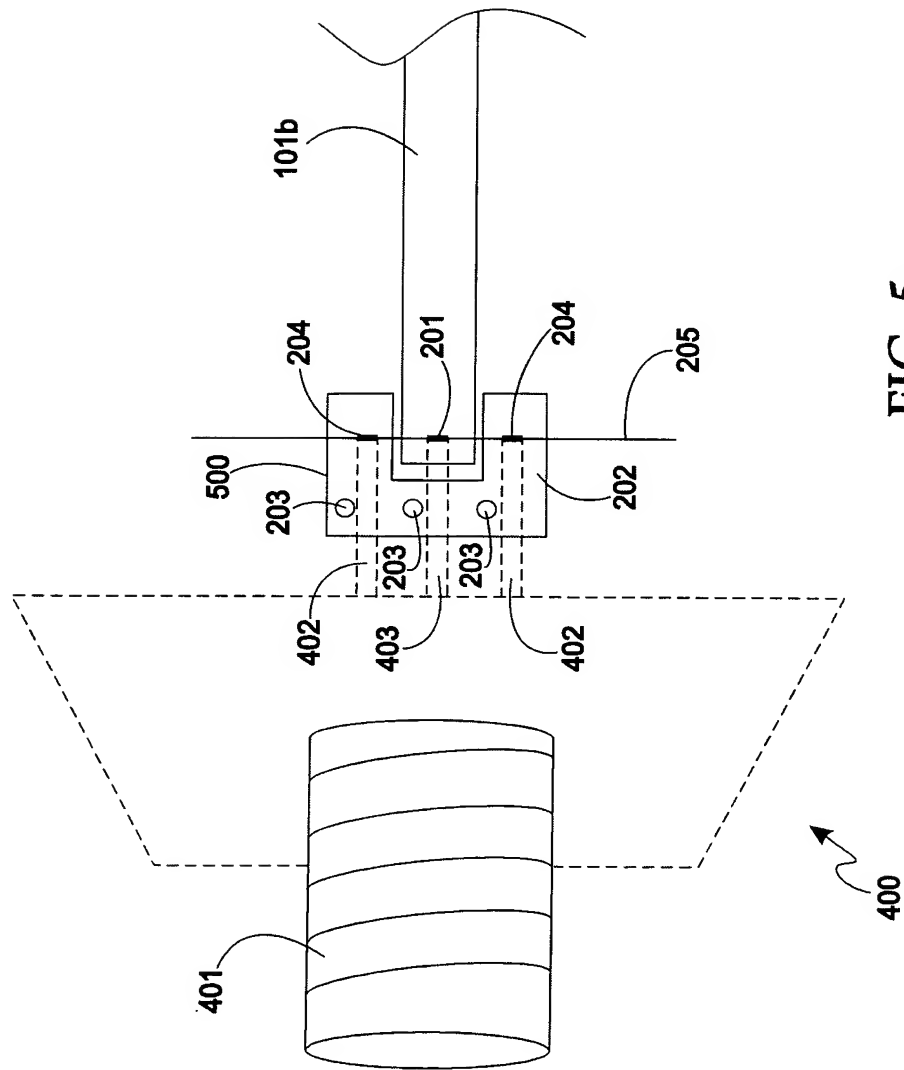


FIG. 5

Magnitude of the Measured S-parameters of the Probed Uniform Transmission Line Configuration

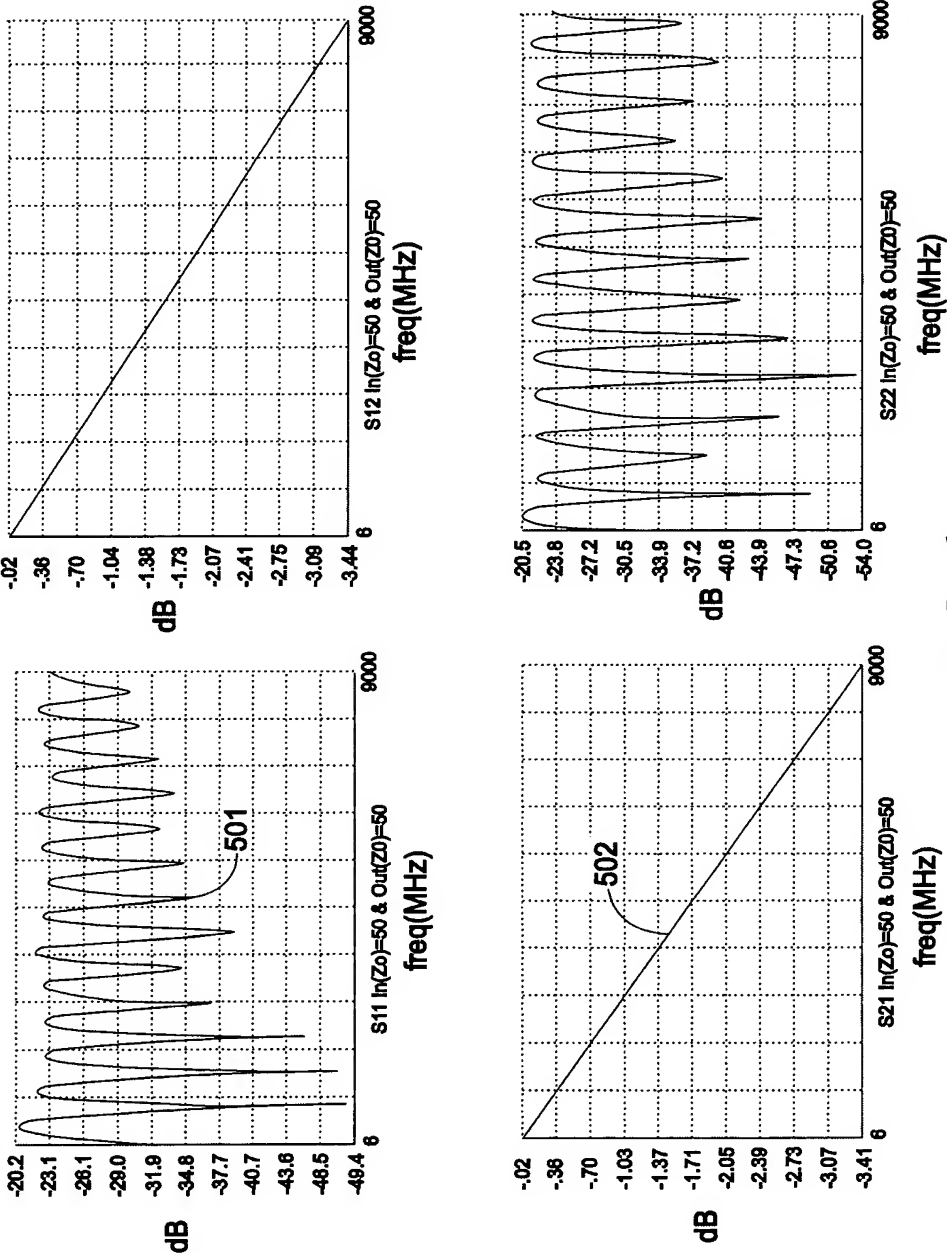


FIG. 6

Phase of the Measured S-parameters of the Probed Uniform Transmission Line Configuration

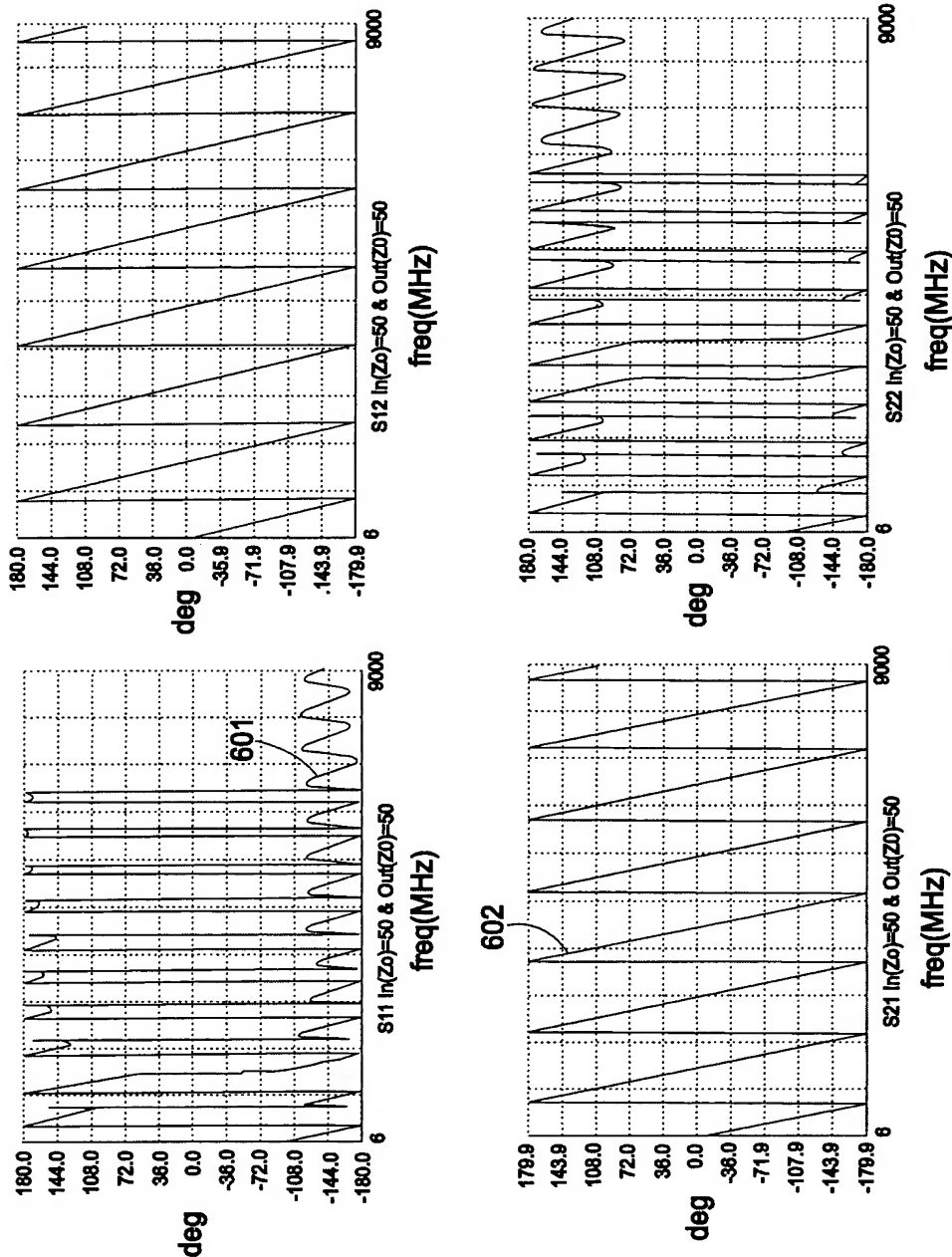


FIG. 7

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# S11 Impulse Response Transformation of the Probed Uniform Transmission Line Configuration

S11 Z01=50 & Z02=50 Impulse Response vs Time in Nsec. Resolution is .003 Nsec.

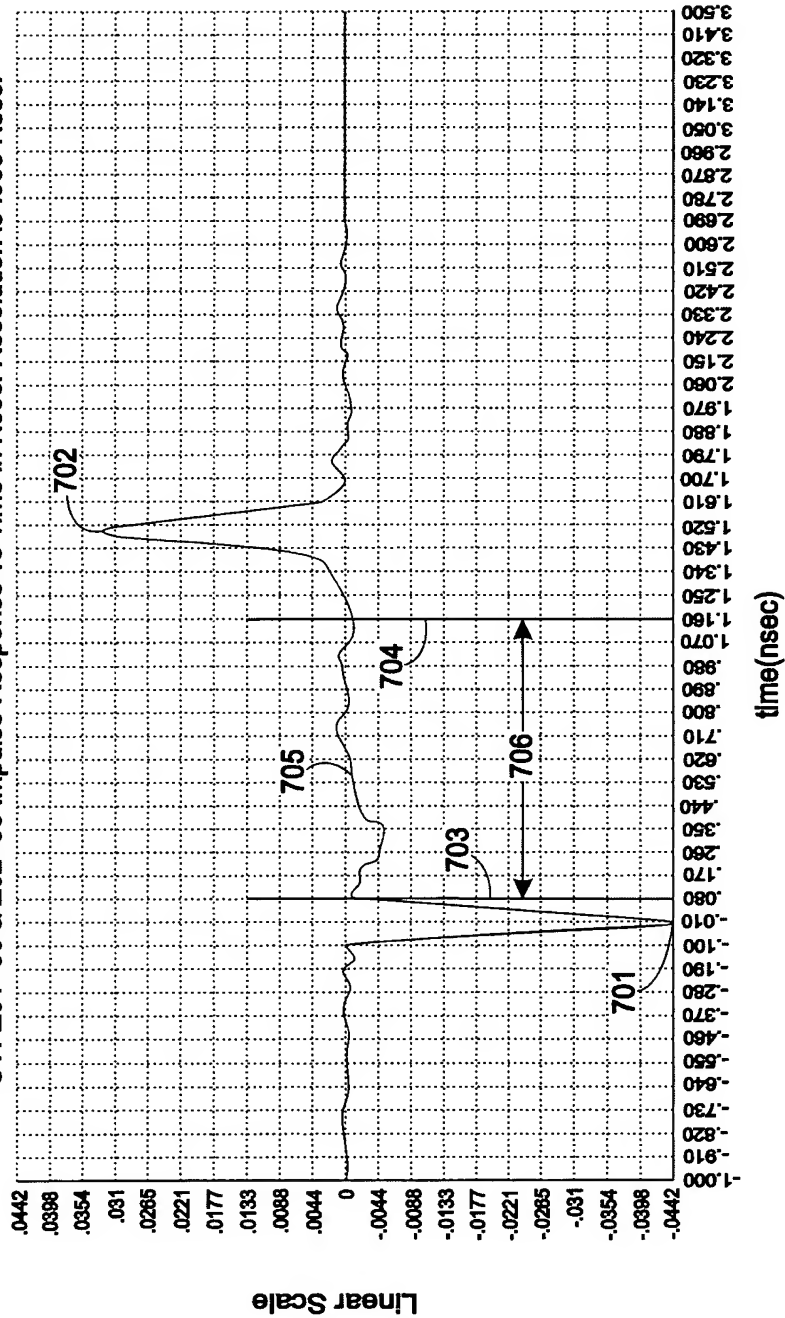


FIG. 8



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### S11 Gated Impulse Response of the Probed Uniform Transmission Line Configuration

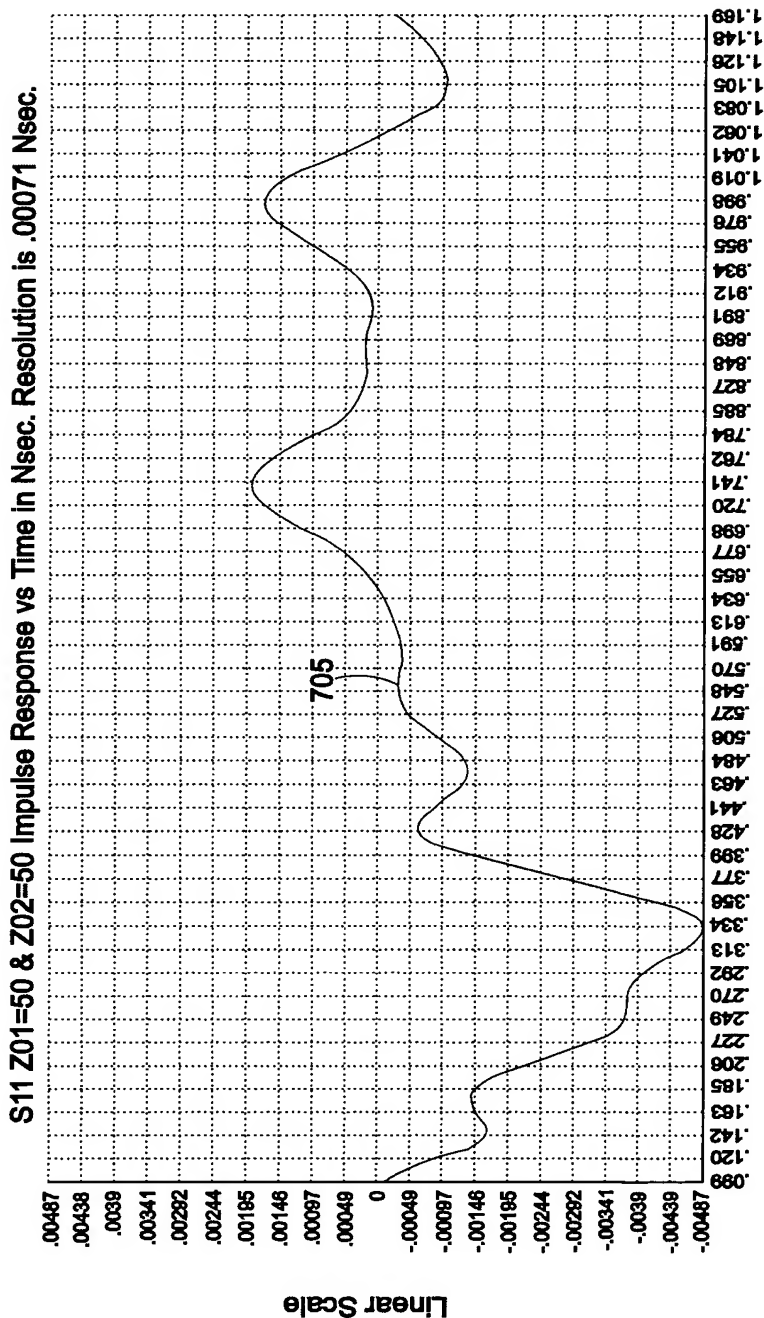


FIG. 9

S11 Gated Impulse Response of the Probed Uniform Transmission Line  
Configuration Converted to the Frequency Domain  
Mag/Ang Plot S11p Gated not Rotated vs Gated Rotated

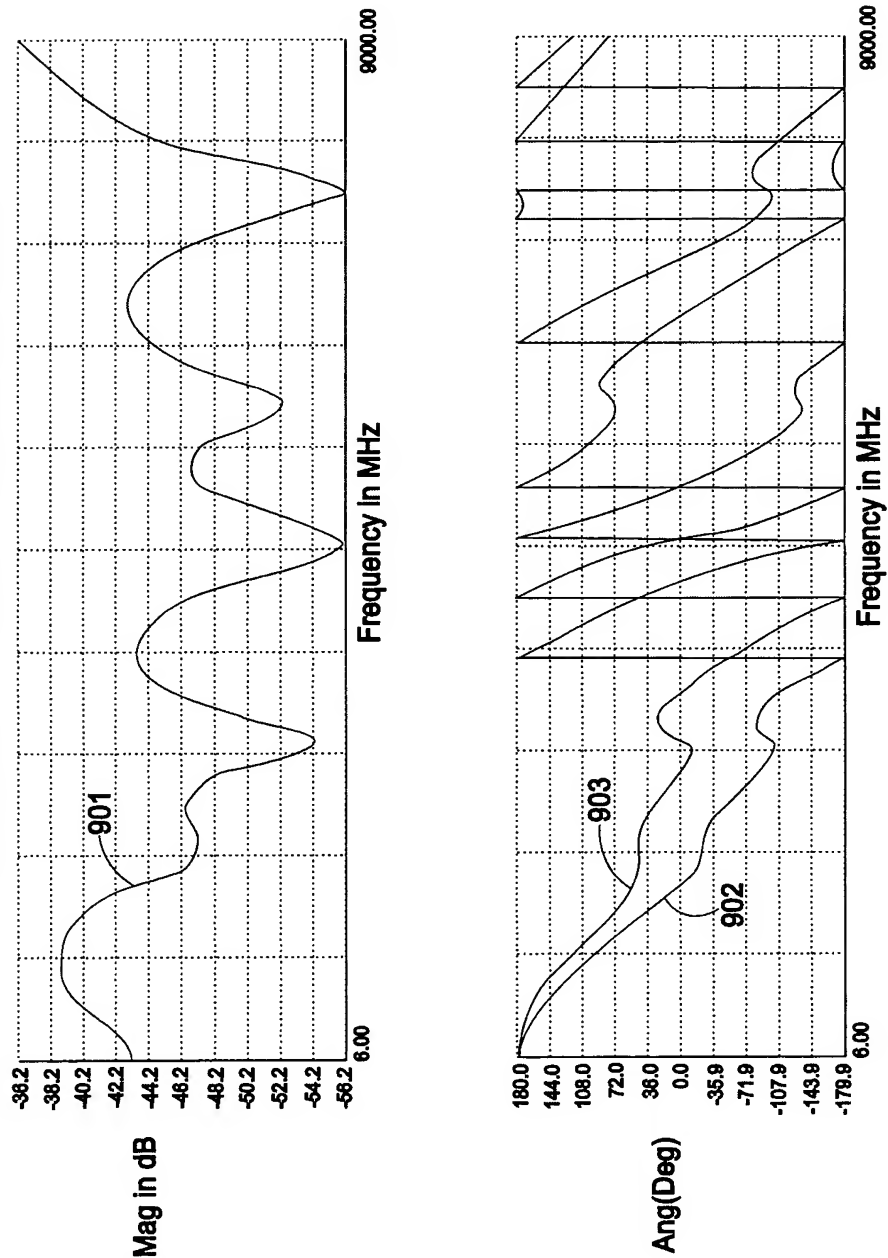


FIG. 10

S21 Impulse Response of the Measured Probed  
Uniform Transmission Line Configuration

S21 Z01=50 & Z02=50 Impulse Response vs Time In Nsec. Resolution Is .003 Nsec.

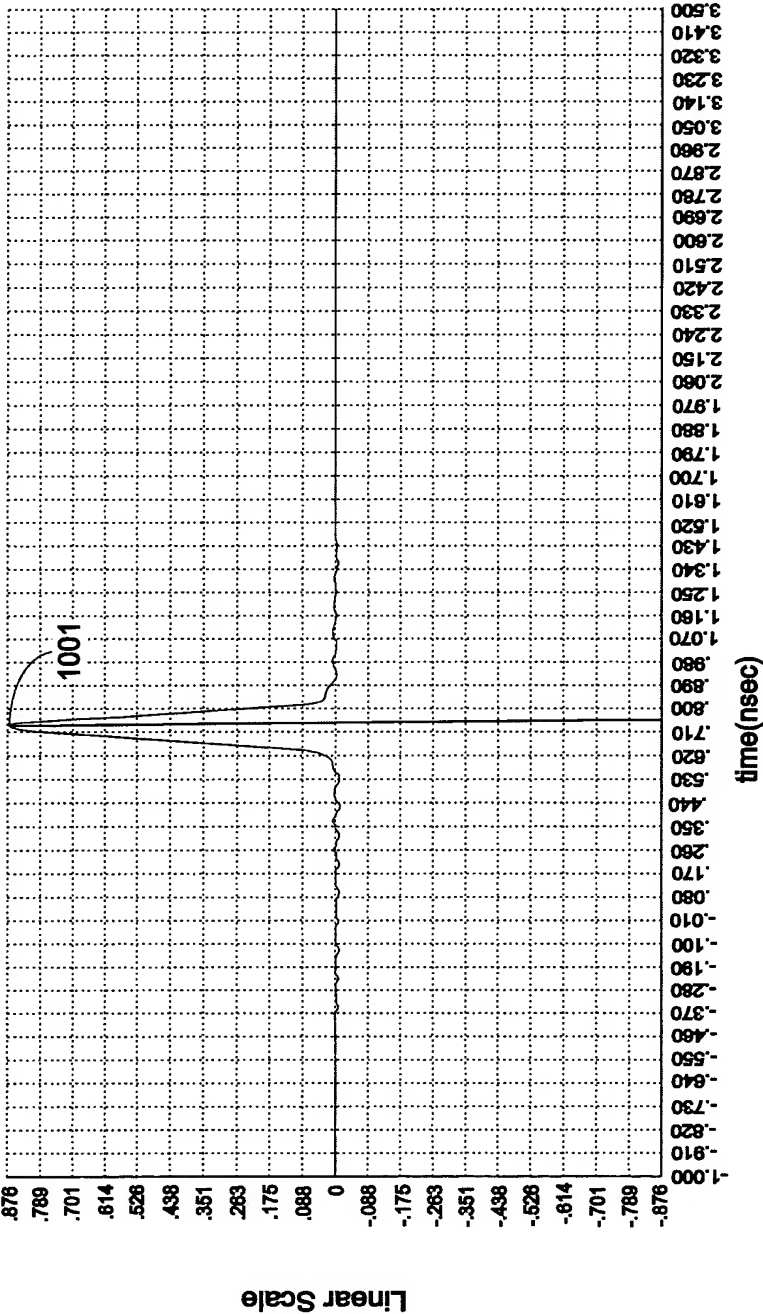


FIG. 11

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Adjusted S21 Parameter of the Probed Uniform Transmission Line Configuration

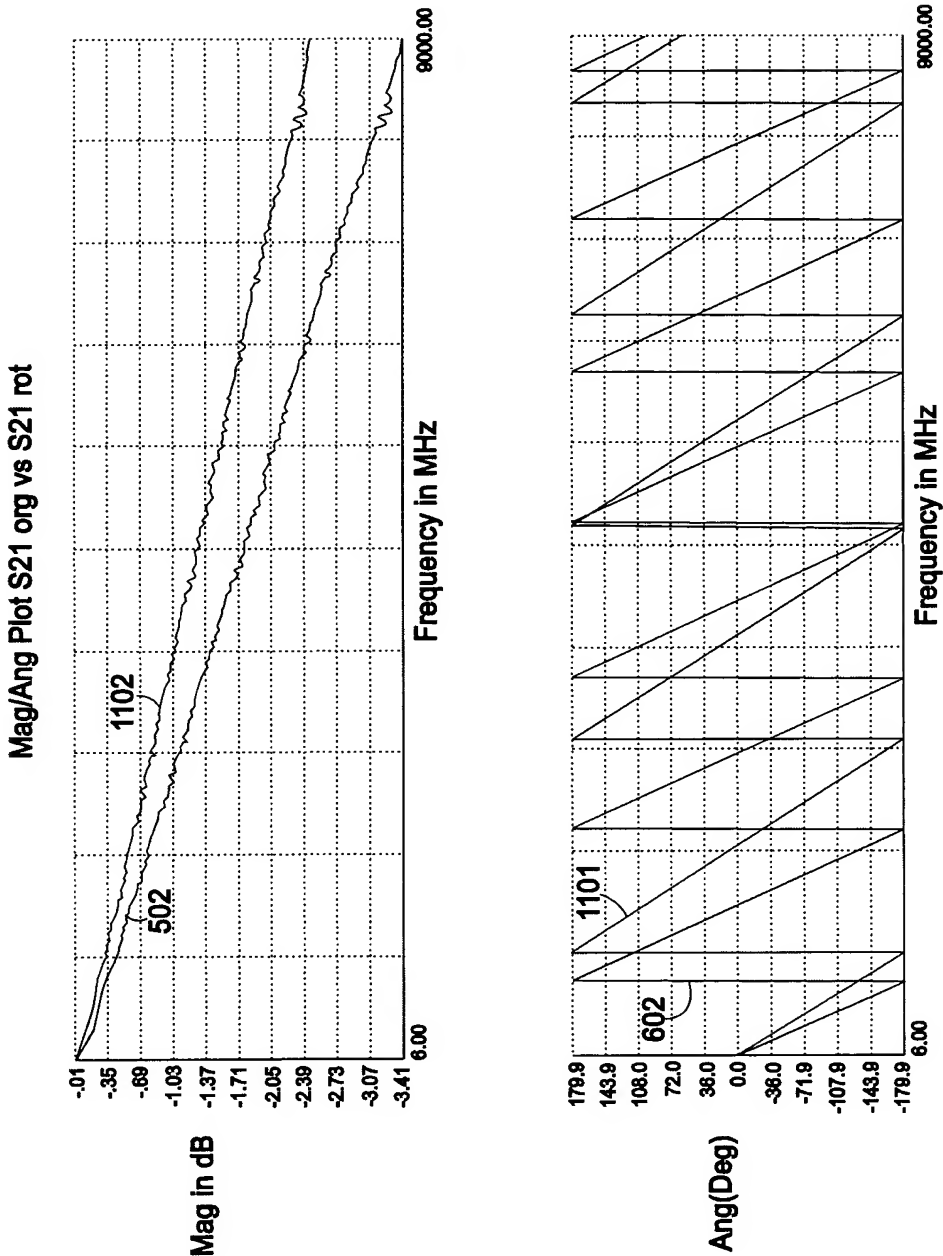


FIG. 12

Telegrapher's Equation Transmission Parameters of Uniform Transmission  
Line Extracted from Measurements of the Probed Uniform Transmission Line Configuration

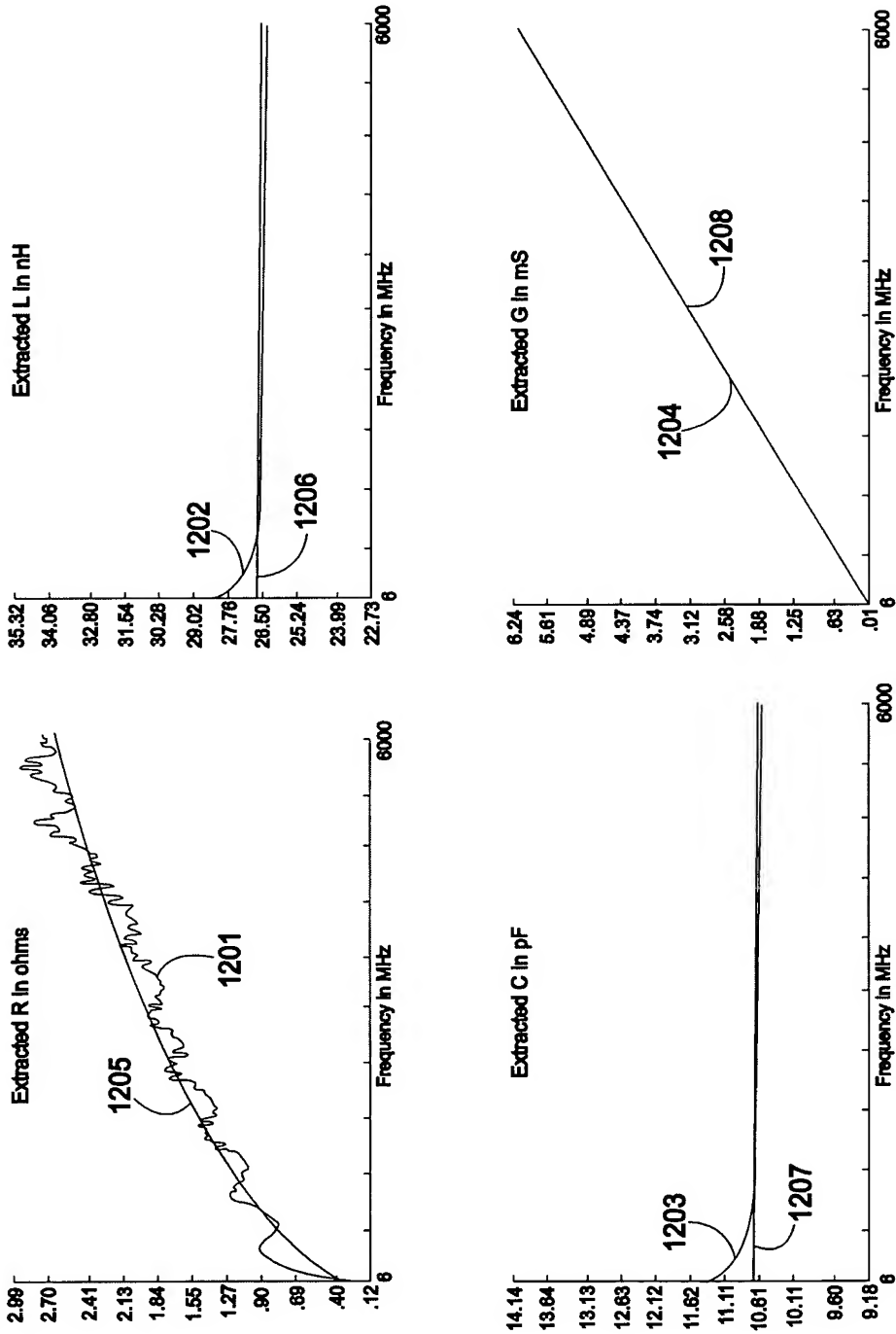


FIG. 13

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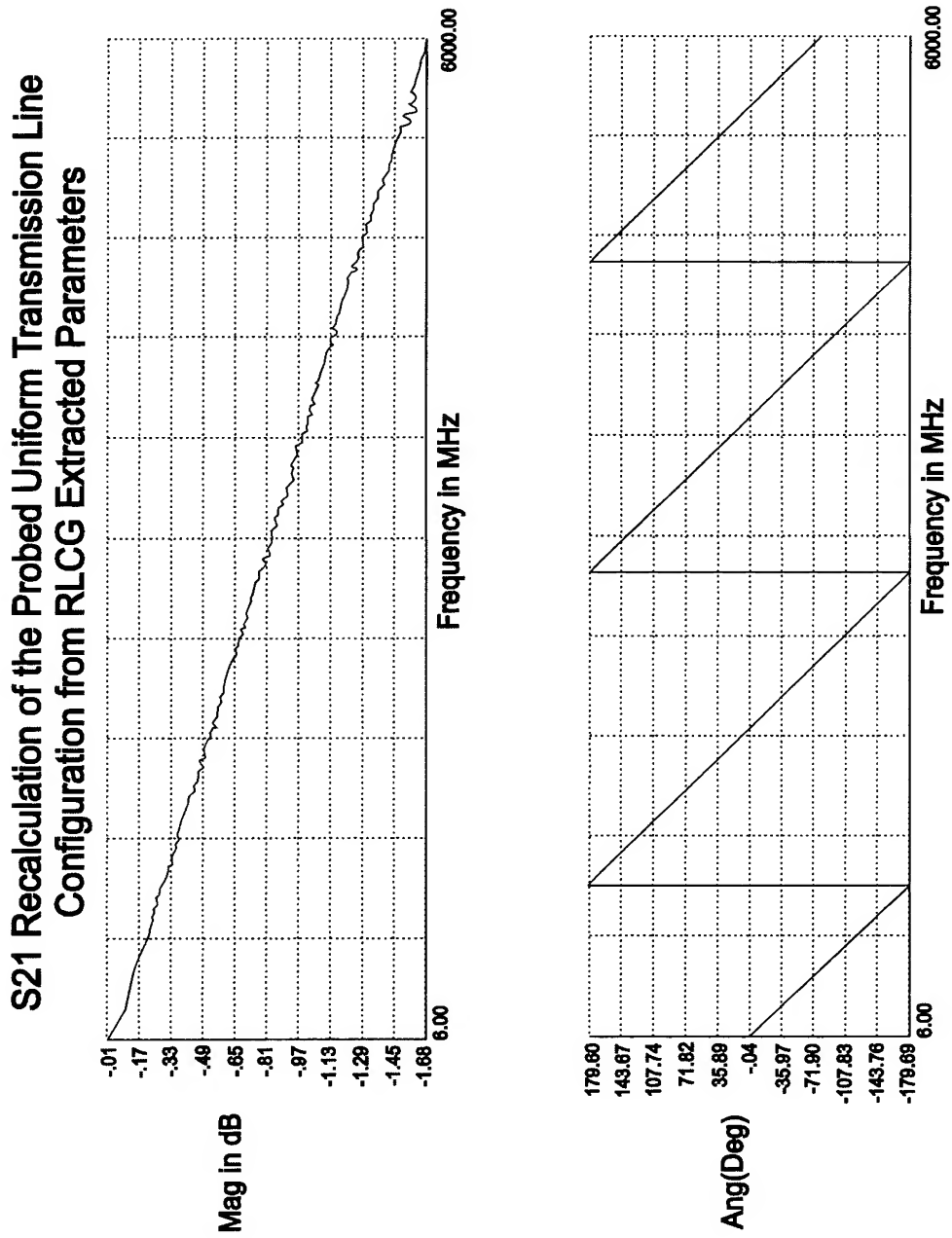


FIG. 14

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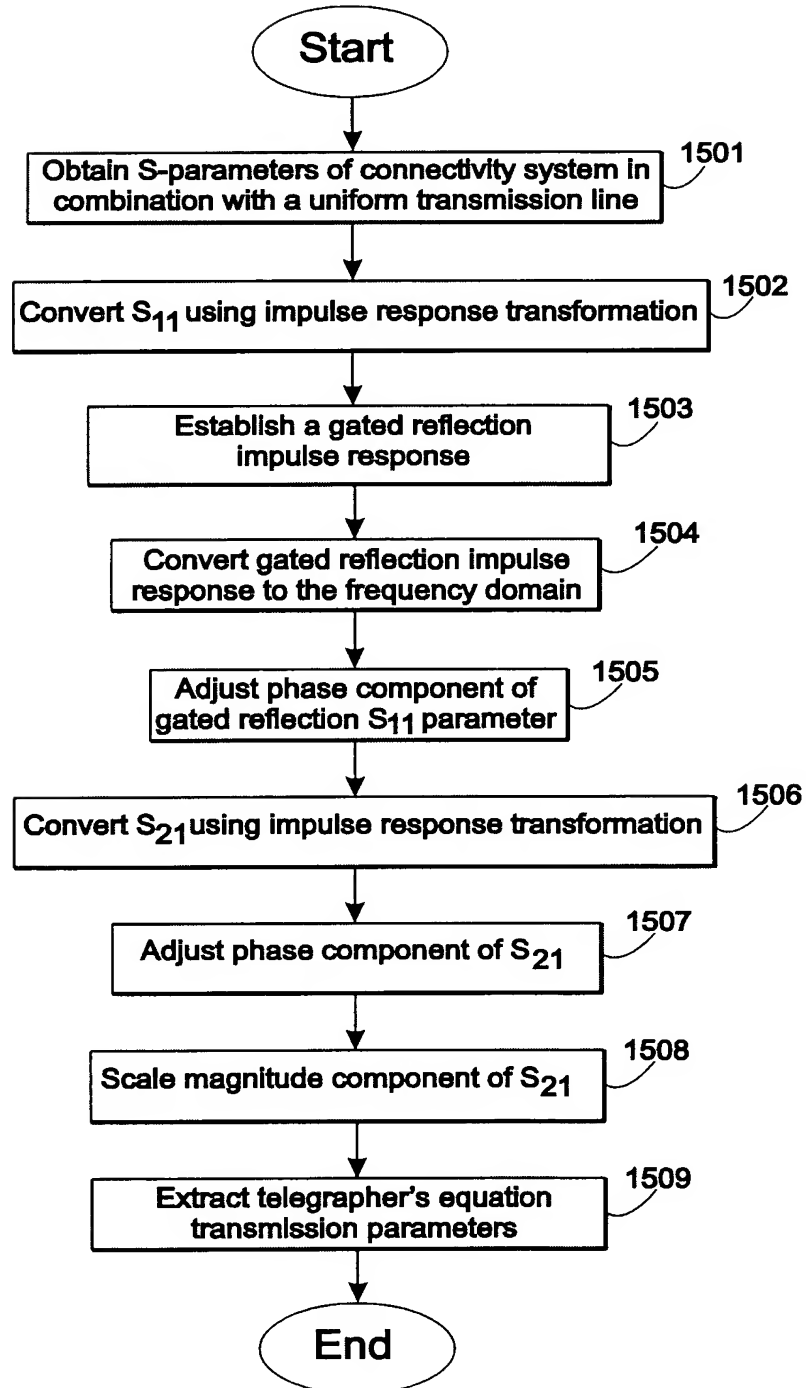


FIG. 15

S11 Impulse Response of the Connectorized Uniform Transmission Line Configuration

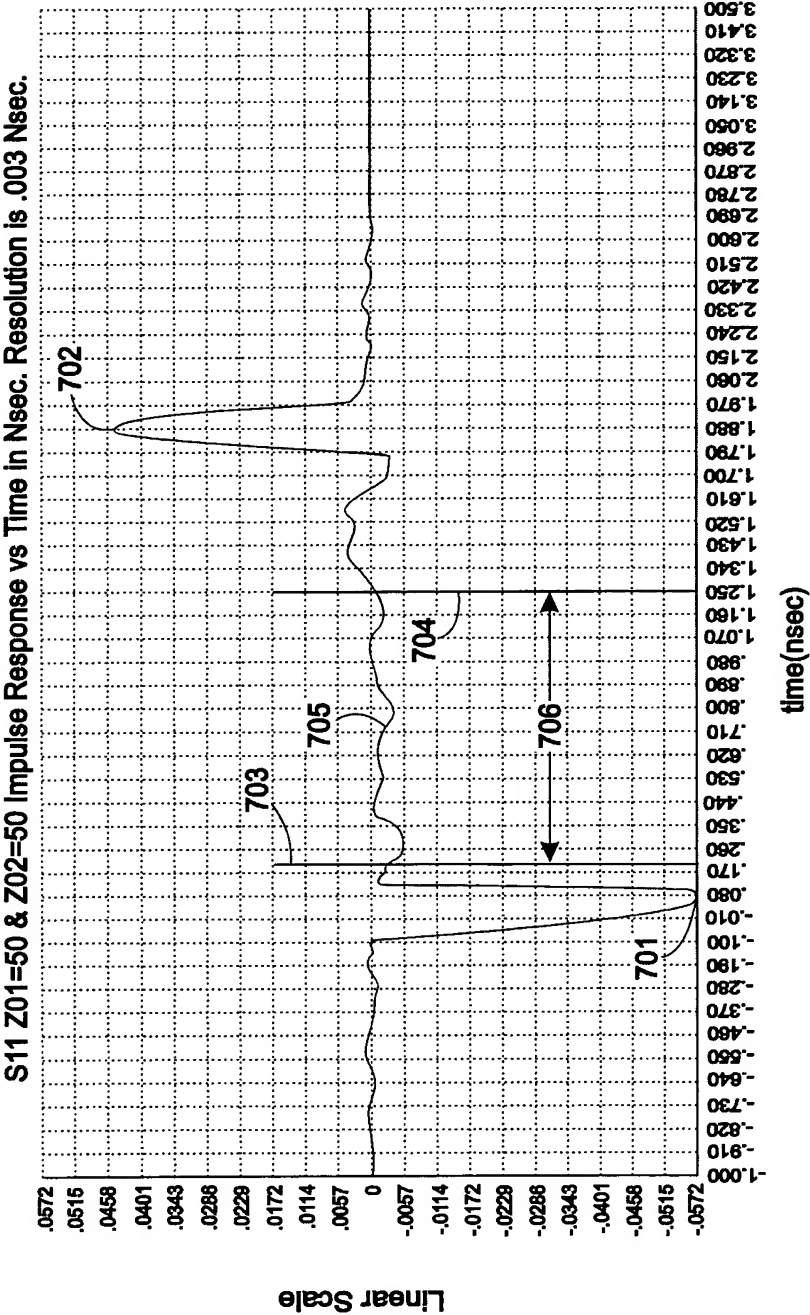


FIG. 16



S11 Gated Impulse Response of the Connectorized  
Uniform Transmission Line Configuration

S11 Z01=50 & Z02=50 Impulse Response vs Time in Nsec. Resolution is .00071 Nsec.

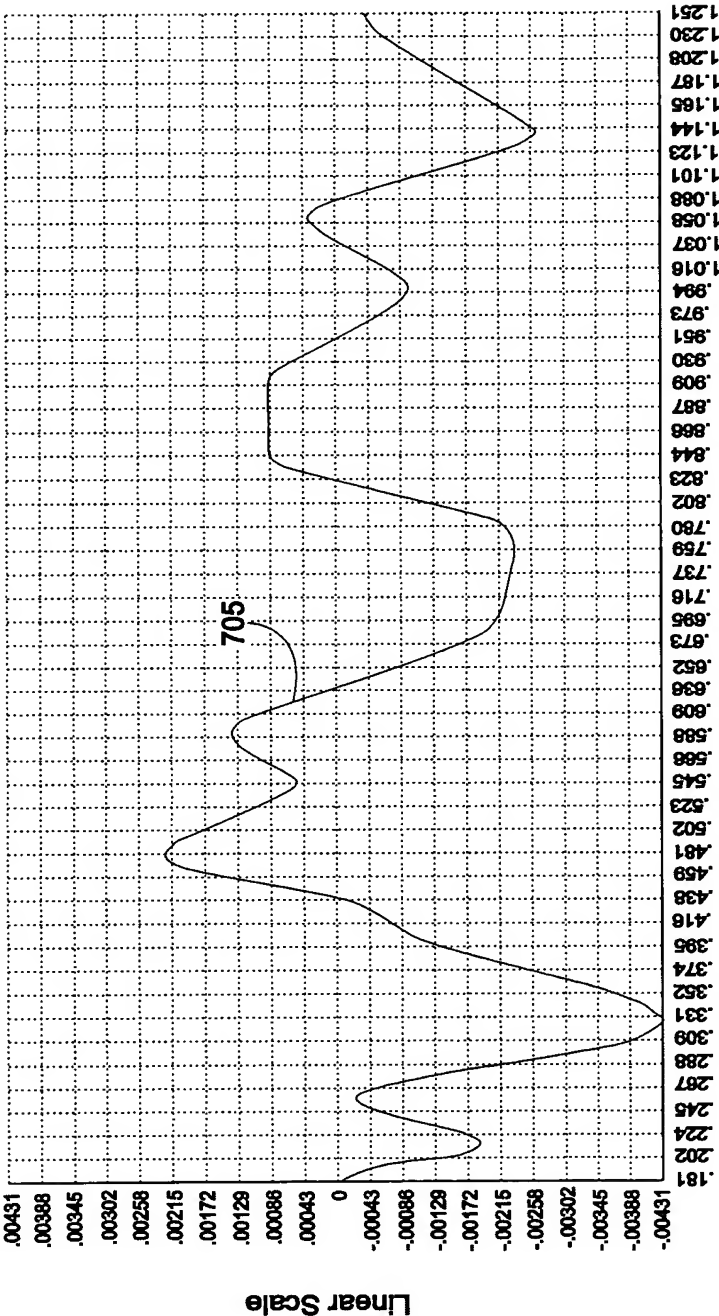


FIG. 17

Telegrapher's Equation Transmission Parameters of Connectorized  
Uniform Transmission Line Configuration

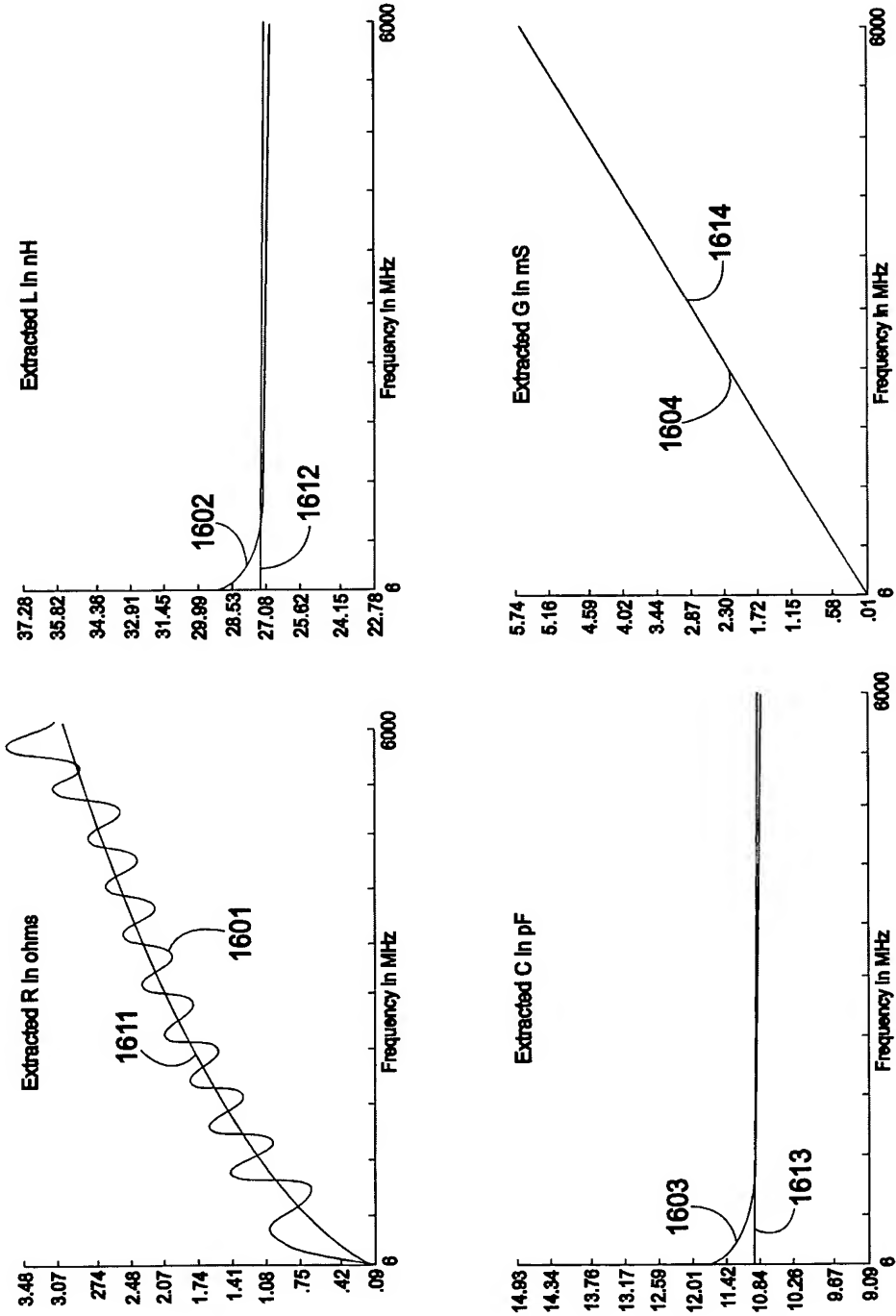


FIG. 18

S21 Recalculation of Connectorized Uniform Transmission Line  
from Extracted Telegrapher's Equation Transmission Parameters

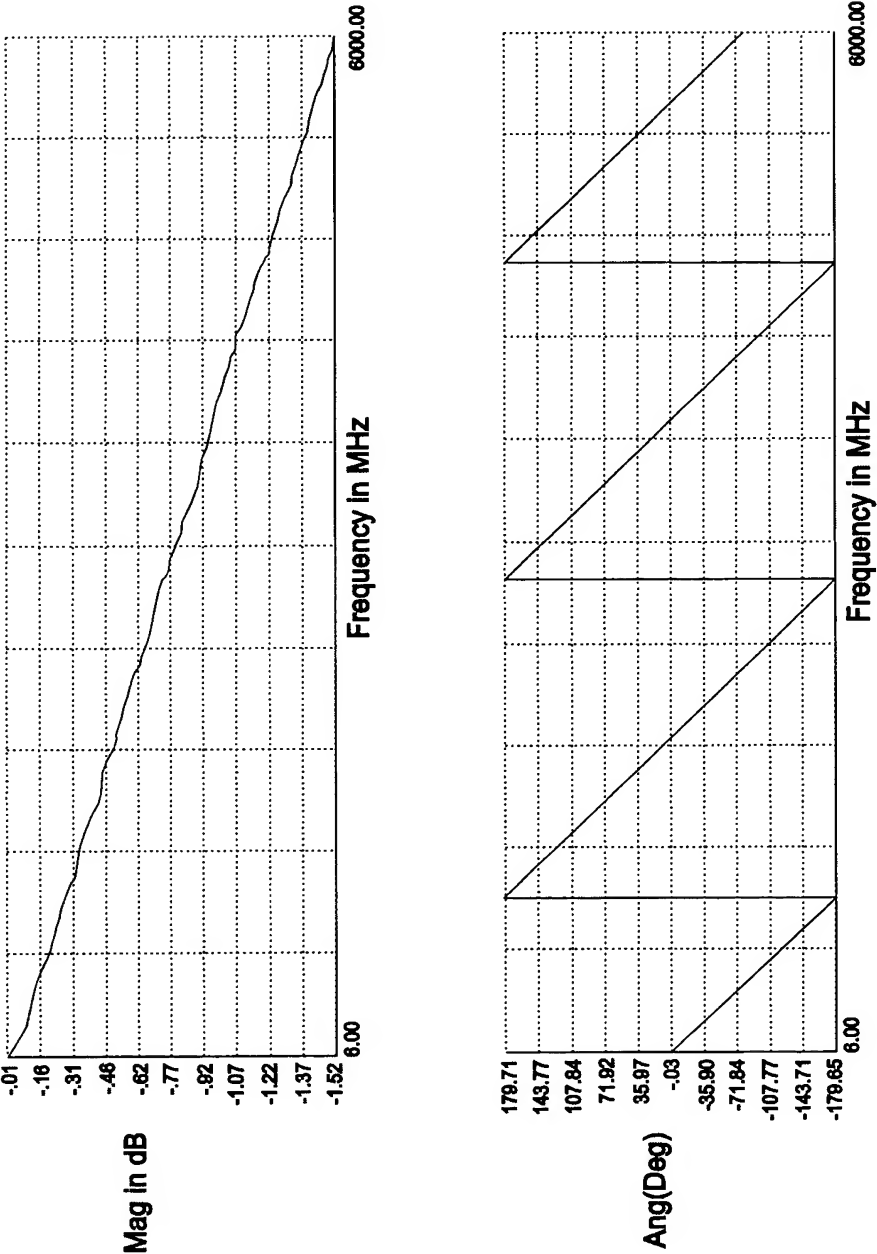


FIG. 19